**Life Science Bacteria and Viruses (Ch. 10 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words:**

Prokaryote-

Binary fission-

Endospore-

Bioremediation-

Antibiotic-

Virus-

Host-

Pathogenic Bacteria-

*Respond to the following:*

What are the four major virus shapes? Explain each shape in detail. (4 pts)

How are viruses similar and different from living things? Explain. (2 pts)

What are three ways Bacteria are helpful to people? (3 pts)

Summarize the lytic cycle; the way viruses reproduce. Describe each step in detail. (4 pts)

Describe the characteristics of prokaryotes; be specific for differences between Archaea and Bacteria. (3 pts)

What are the three types of Archaea? (1 pt)

***ABOUT THE READING:***

Write three things that you learned about Bacteria/Viruses:

***Make sure to write a full sentence.***

*Example: I learned that a viruses are considered to be "non-living" because they cannot reproduce on their own.*

***1.***

***2.***

***3.***

***Assigned work:*** *Write a paragraph that describes a situation in which you discover a new type of disease-causing virus. After you "name" your virus, explain the structure of the virus (its shape) and how it reproduces. Also, describe the effects of the virus and what is being done to prevent further spread of the virus. (8 pts)*